

**MARINE MANAGMENT SUPPORT  
MIDWEST**

**UPGRADING THE SHARK BAY MARINE HABITAT MAP:  
GROUND-TRUTHING SITES FROM APRIL 1997 FIELD  
SURVEY**

**Data Report: MMS/MW/SBMP-5/1997**

**A collaborative project between CALM Marine Conservation Branch,  
CALM Geraldton Regional Office  
and CALM Gascoyne District Office**

**A project funded by CALM's World Heritage Funds**

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**July 1997**



**Marine Conservation Branch  
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This report may be cited as:

Cary J L, Daly T and Mc Quillan L (1997). Upgrading the Shark Bay Marine Habitat Map - Ground-truthing sites from April 1997 Field Survey. Data report MMS/MW/SBMP-5.1997. Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St., Fremantle, Western Australia, 6160). Unpublished report.

Field notes and general documentation relating to the Shark Bay Marine Habitat Map are archived in the following Marine Conservation Branch files:

MMSP/MW/BIO/1997/1

MMSP/MW/SOC/1997/1

MMSP/MW/GEN/1997/1

Access to these files and copies of this report are available at:

Marine Conservation Branch  
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## **SUMMARY**

More than 150 ground-truthing sites were surveyed in the Shark Bay region on 8 April 1997 and between 21-24 April 1997.

The survey identified large areas of seagrass in the deeper waters along the Wooramel Bank, outside the existing marine park boundary, and in the region between Cape Peron and Dorre Island. This result has broader implications for redefinition of the existing marine park boundary.

# **1 INTRODUCTION**

## **1.1 GENERAL**

This data report presents the results of a field survey undertaken between 21-24 April 1997 (and 8 April 1997), which ground-truthed benthic habitat sites in the Shark Bay World Heritage Area with the aim to improve the biological accuracy of the existing Shark Bay habitat map. The existing Shark Bay marine habitat map was produced by Bruce (1996), with funding from CALM.

The need for upgrading of the existing habitat map was based on two strategies presented in the Shark Bay Marine Reserves Management Plan 1996-2006 (CALM, 1996). These strategies were:

- Consideration of the waters adjoining Bernier and Dorre Islands and the waters west of Dirk Hartog Island and Edel Land for inclusion in the marine park, on the basis of their biological values and existing and proposed use.
- Definition of the marine park boundary using coordinates and straight lines which closely approximate the existing boundary, in liaison with relevant organisations. Gazettal of this redefined boundary.

To be able to address these strategies effectively in the future, more information was needed on the benthic habitats both along the existing marine park boundary and of a large unmapped region between Cape Peron and Dorre Island.

## **1.2 BACKGROUND**

Shark Bay is located in Western Australia, 700 kilometres north of Perth (Figure 1). The region is a popular destination for both domestic and international tourists and most visitors consider the natural attributes as the most important features of Shark Bay (CALM, 1994a). The Hamelin Pool Marine Nature Reserve and the Shark Bay Marine Park were gazetted in May 1990 and November 1990 respectively. The Shark Bay Marine Reserves Management Plan 1996-2006 was released in April 1997 (CALM, 1996). Shark Bay was included on the World Heritage List in December 1991 (Figure 1). The waters adjacent to Bernier and Dorre Islands and west side of Dirk Hartog Island are also considered worthy of marine reserve status (CALM, 1994b).

The field survey was coordinated by the Marine Conservation Branch of CALM (Principle contact: Dr Chris Simpson, Manager, Marine Conservation Branch) and conducted in collaboration with the Geraldton Regional Office (Contact: Ron Shepherd) and the Gascoyne District Office (Contact: Paul Brown). Jennie Cary (Marine Conservation Branch) was the Field Team Leader and coordinated all activities in the field. Other CALM field staff included Tim Daly and Lea Mc Quillan (volunteer) from the Marine Conservation Branch and Ron Shepherd from the Geraldton Regional Office.

## **1.3 AIM**

The aim of this project was to improve the accuracy of the existing GIS habitat map of Shark Bay.

Benthic habitat data from long-term monitoring sites initiated in April and August 1996 and April 1997 (as part of the Shark Bay Marine Reserves Monitoring Programme), will also be used as ground-truthing sites to improve the accuracy of the existing habitat map (D'Adamo, Colman and Pobar, 1996; Cary and Pobar, 1997 and Cary and Daly, 1997; respectively).

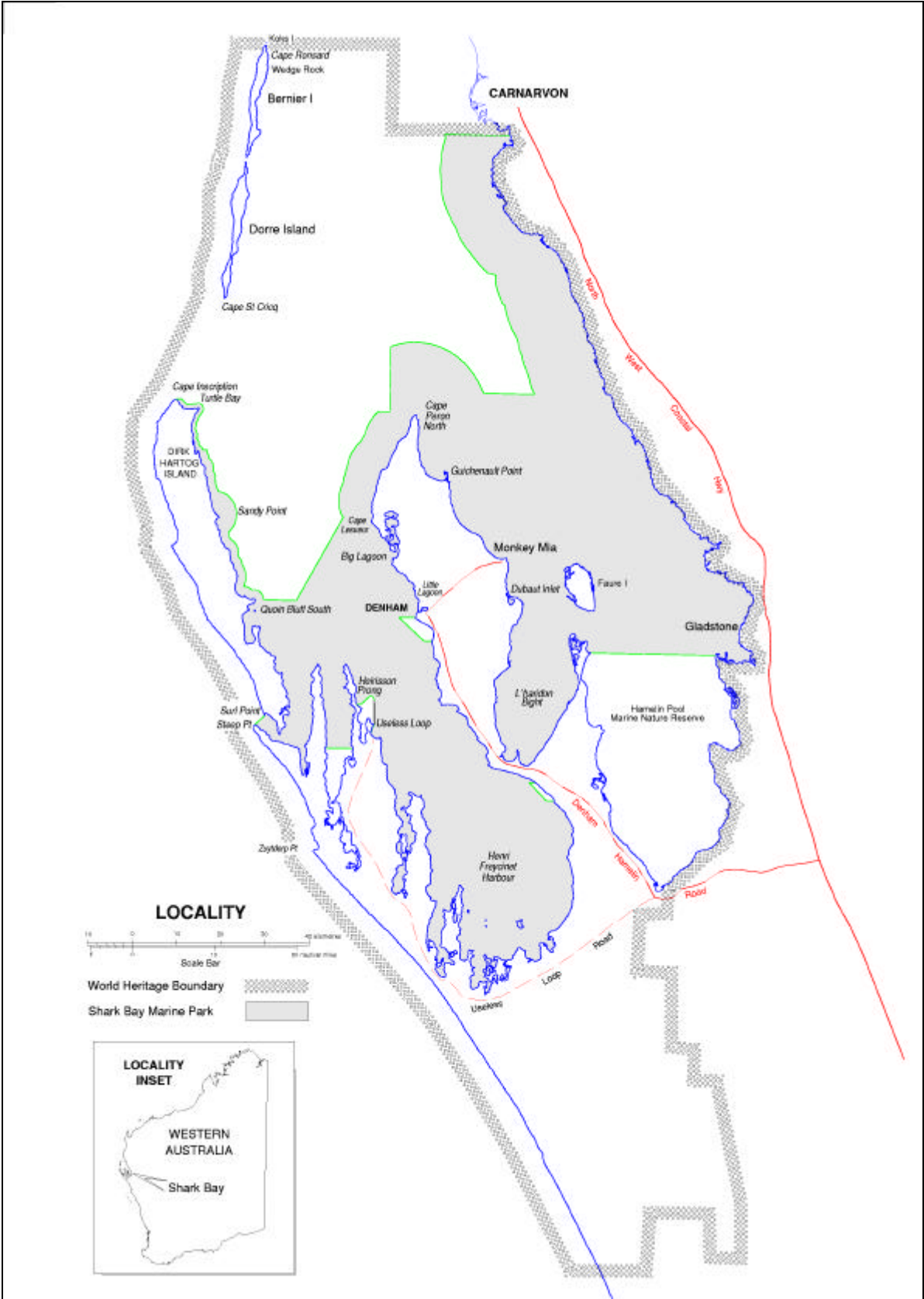


Figure 1. Location map of Shark Bay

## **2 METHODS**

### **2.1 FIELD SURVEY**

One hundred and forty nine ground-truthing sites were surveyed in the Shark Bay region on 8 April 1997 and between 21-24 April 1997 (Figure 2). At each ground-truthing site the benthic habitat type (eg seagrass meadows, coral habitat etc.) and the visually dominant benthic species were recorded using a drop-down underwater video.

In addition to using the drop down video technique habitat data and related observations were recorded onto *Habitat Data Sheets* (See Appendix 2).

### **2.2 DATA PROCESSING**

The existing digital map of the seagrass distribution and density in the Shark Bay Marine Park was derived from a variety of sources. Digital capture of seagrass distribution was performed by digitisation and scanning of existing maps, data rectification, interpretation of Landsat Thematic Mapper imagery (30m pixels) and ultimately field survey verification (Bruce 1997). Seagrass density was mapped and digitally captured through the use of black and white aerial photographs, Landsat TM imagery and field survey information (Bruce, 1997). Landsat TM Imagery is processed by the Remote Sensing and Applications Centre and is considered to have a spatial accuracy of approximately 50m (R. Lawrie, personal communication).

Landsat TM imagery was enhanced for seagrass using bands 1, 2 and 3, and mapped seagrass boundaries were overlain on the rectified image using ERMAPPER software. Areas of seagrass coverage not described in the original mapping were identified and density estimates were assigned based on image pixel reflectance values (Bruce, 1977). Subsequent ground-truthing using dropdown video, echo sounder, glass bottom bucket and snorkelling was carried out, but this ground-truthing was not comprehensive.

## **3 DATA MANAGEMENT**

### **3.1 REPORT**

Hard copies of this report will be held at three locations:

1. Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St., Fremantle Western Australia, 6010. Ph. (08) 9432 5100 Fax (08) 9430 5408.
2. Woodvale Library, Science and Information division, Ocean Reef Rd., Woodvale, Western Australia, 6026. Ph (08) 9306 1641.
3. Archives, Woodvale Library, Science and Information Division, Ocean Reef Rd., Woodvale, Western Australia, 6026. Ph. (08) 9405 5100 Fax. (08) 9306 1641.

The Marine Conservation Branch will hold digital copies of this report at the following directory pathways:

1. The Marine Conservation Branch Server” MCB on ‘StreetTalk\User [Data@FREM.MCB@CALM](mailto:Data@FREM.MCB@CALM)’ [T:\Current\_MCB\_reports\MMS\mms\_0597]
2. MCB Server full backup DAT tape [T:\Current\_MCB\_reports\MMS\mms\_0597]
3. CD\_ROM [mms\_0597]
4. MCB homepage on the Department of Conservation and Land Management Intranet CALMweb: [http://calmweb.calm.wa.gov.au/drb/ncd/mcb/rep\\_pdf/mms\\_reps/mms\\_98/mmsrep\\_0597.pdf](http://calmweb.calm.wa.gov.au/drb/ncd/mcb/rep_pdf/mms_reps/mms_98/mmsrep_0597.pdf)

### **3.2 HI-8 VIDEO TAPES**

Digital tape duplicates of the original VHS video tapes of all ground-truthing sites will be held at two locations:

1. Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St, Fremantle Western Australia, 6010.
2. Corporate Information Services, Department of Conservation and Land Management, 50 Hayman Road, Como Western Australia, 6152. Box HOCD08 File Number: 1999F000508



The original VHS video tapes will also held at the Marine Conservation Branch.

### **3.3 ADDITIONAL DATA**

A digital copy of the original TM satellite image and the existing marine habitat map will be stored on CD\_ROM [ Sbay123.bil and Sbay123.hdr] held at the Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St., Fremantle Western Australia, 6010. Ph. (08) 9432 5100 Fax (08) 9430 5408.

## **4 RESULTS**

See Appendix 1 for a list of the dropdown video tapes.

See Appendix 2 for the Habitat data sheets completed for each of the 149 ground-truthing sites surveyed in the Shark Bay region during April 1997.

The survey found large areas of seagrass in the deeper waters along the Wooramel Bank, outside the exiting marine park boundary, and in the region between Cape Peron and Dorre Island.

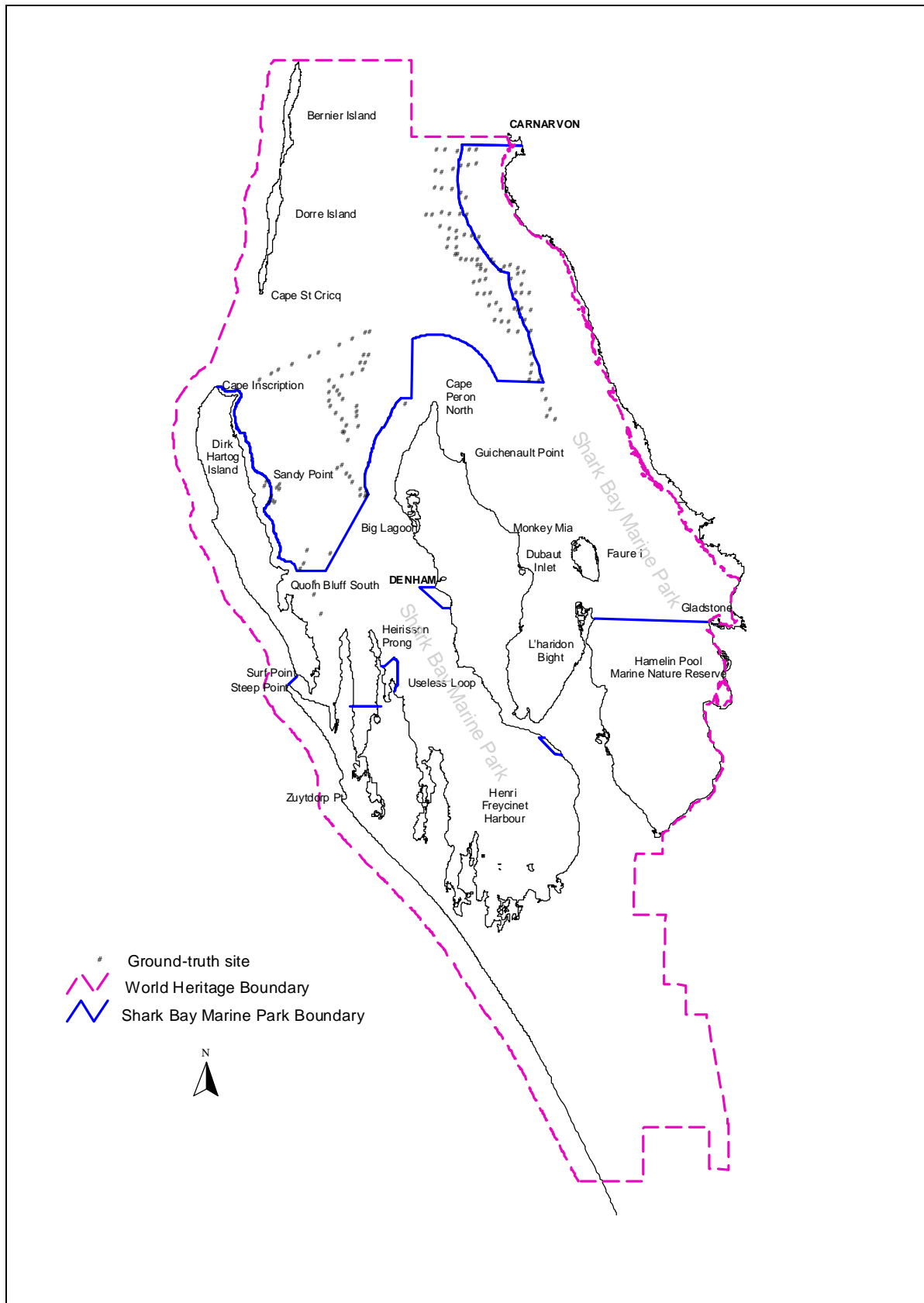


Figure 2. Approximate location of ground-truthing sites

## 5 REFERENCES

Bruce, E (1996). Application of spatial analysis of coastal and marine management in the Shark Bay World Heritage Area, Western Australia. Ph. D. Thesis, Dept of Geography, University of Western Australia.

Cary J L and Daly T W (1997). Shark Bay Marine Reserves Monitoring Programme. Initialisation and re-sampling of long-term monitoring sites: April 1997. Data Report MMSP/SM/SBMP-3/1997. (Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St, Fremantle, 6160). Unpublished report.

Cary J L and Pobar G J (1997). Shark Bay Marine Reserves Monitoring Programme. Initialisation of long-term monitoring sites: August. Data Report MMSP/MW/SBMP-1/1997. (Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St, Fremantle, 6160). Unpublished report.

D'Adamo N, Colman J G and Pobar G J (1996a). Shark Bay Marine Reserves Monitoring Programme. Data Report SBMRMP-02/96. Preliminary Field Survey: 15-22 April 1996. (Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St, Fremantle, 6160). Unpublished report.

CALM (1994a). Summary of the Shark Bay World Heritage Area User Survey: June-November 1993. (Department of Conservation and Land Management, 50 Hayman Rd, Como, 6152). Unpublished report.

CALM (1994b). A representative marine reserve system for Western Australia. (Department of Conservation and Land Management, 47 Henry St, Fremantle, 6160).

CALM (1996). Shark Bay Marine Reserves Management Plan- 1996-2001. (Department of Conservation and Land Management, 50 Hayman Rd, Como, 6152).

## **ACKNOWLEDGEMENTS**

### ***Direction***

Keiran McNamara - Director, Nature Conservation Division, CALM.

Dr Chris Simpson - Manager, Marine Conservation Branch (MCB), Nature Conservation Division, CALM.

Greg Leaman - Manager, Midwest Region, CALM.

### ***CALM Regional/District collaboration***

Geraldton Region - Ron Shephard, Programme Leader, Nature Conservation.

Gascoyne District - Paul Brown, District Manager; Brad Barton, Operations Officer.

Field Team Leader - Jennie Cary, MCB

### ***Resources***

Funding was provided by CALM's World Heritage Funds:

CALM resources:

People                    35 person days

### APPENDIX 1: SBMRMP 04/97 video tapes

<b>Tape #</b>	<b>Programme</b>	<b>Digital Master</b>	<b>VHS Original</b>	<b>VHS Copy</b>	<b>Digital Copy</b>
SBMRMP/DD#1-04-97	Shark Bay Marine Park drop down video ground truthing Program	No	VHS	Yes	No
SBMRMP/DD#2-04-97	Shark Bay Marine Park drop down video ground truthing Program	No	VHS	Yes	No
SBMRMP/DD#3-04-97	Shark Bay Marine Park drop down video ground truthing Program. (Seismic testing sites)	No	VHS	Yes	No

## **APPENDIX 2: Habitat data sheets**

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT01	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.50	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	15.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 26.14' S			113° 19.79' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Seagrass <5%
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### Dominant Species

<b>Seagrass</b>	<i>Halophila spinulosa</i> , <i>Halophila ovalis</i> (?), <i>Cymodocea</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT02	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.00	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	14.2	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 26.57' S			113° 18.22' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 40-60%
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### Dominant Species

<b>Seagrass</b>	<i>Amphibolis (antarctica?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT03	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.15	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	14.2	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 26.90' S			113° 16.69' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Seagrass 50% and sand patches 50%. Within seagrass meadow 80-100% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ), <i>Syringodium</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

Drifted from 25° 26.91 113° 16.70 to 25° 26.89 113° 16.66

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT05	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.15	<b>Weather</b>	SW 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.4	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 30.10' S			113° 17.07' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Sand with sparse seagrass <5% cover, *Halophila ovalis* and some *Cymodocea* sp.

### Dominant Species

<b>Seagrass</b>	<i>Halophila ovalis</i> and <i>Cymodocea</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Southern sea star

### Other Features

### Impact or Activity

<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT06	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.10	<b>Weather</b>	SW 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 29.48' S			113° 16.44' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Sand with sparse seagrass <5% cover, *Halophila ovalis*?

### Dominant Species

<b>Seagrass</b>	<i>Halophila ovalis</i> ?
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Southern sea star

### Other Features

### Impact or Activity

<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT07	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.00	<b>Weather</b>	SW 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 29.03' S			113° 16.17' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Seagrass meadow 40-60% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT08	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.45	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	15.2	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 28.42' S			113° 15.62' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Seagrass 60% and sand patches 40%. Within seagrass meadow 80-100% coverage. *Syringodium* growing on edge of meadow

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ), <i>Syringodium</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT09	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.10	<b>Weather</b>	SE 15 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	12	<b>Water visibility (m)</b>	>12	
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 23.86' S			113° 13.25' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 60% and sand patches 40%. Seagrass meadows have about 40% coverage.

### Dominant Species

<b>Seagrass</b>	<i>P. sinuosa (coriacea?)</i> -50% and <i>Amphibolis antarctica</i> (50%)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT10	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.30	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	13.4	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 27.60' S			113° 14.91' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 75% and sand patches 25%. Within seagrass meadow 80-100% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ), <i>Syringodium</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT11	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.45	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	14-14.5		<b>Water visibility (m)</b>	
<b>GPS Latitude</b>			<b>GPS Longitude</b>			<b>Differential</b>	
25° 24.16' S			113° 20.55' E			<b>Yes</b>	<input type="checkbox"/>
						<b>No</b>	<input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Sparse seagrass cover - *Posidonia* sp.? and *Amphibolis antarctica* <5%

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp, <i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT12	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.45	<b>Weather</b>	SE 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	12	<b>Water visibility (m)</b>	>12	
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 21.95' S			113° 18.28' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 30% and sand patches 70%. Within seagrass meadow 100% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i> with some <i>Cymodocea</i> sp. growing on edge of <i>Amphibolis</i> meadow
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT14	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.00	<b>Weather</b>	SW 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	15	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 35.61' S			113° 17.73' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with very sparse seagrass, <1% *Posidonia*, also scallops and sea anemones

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp.( <i>Cymodocea</i> ), leaves only 10cm in height
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT15	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.30	<b>Weather</b>	SW 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 33.70' S			113° 17.62' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass meadow 70-90% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT16	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.45	<b>Weather</b>	SW 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 32.92' S			113° 16.93' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 60-80% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT17	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.00	<b>Weather</b>	SW 25knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 31.94' S			113° 15.98' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20-40% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT18	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	18.20	<b>Weather</b>	SW 20knots	
<b>Sea</b>			<b>Water depth (m)</b>	13.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 31.75' S			113° 19.06' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 50% coverage

### Dominant Species

<b>Seagrass</b>	Amphibolis antarctica
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT19	<b>Site Name</b>	'001'	<b>Date</b>	21/04/97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.00	<b>Weather</b>	SW	
<b>Sea</b>			<b>Water depth (m)</b>	12-8.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 58.82' S			113° 13.82' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Site first done in August 1996, redone as no video footage taken. Large variation in reef height, up to 2-3m covered in corals. Some areas high coral coverage, about 50% and other areas coral/limestone rubble.

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	<i>Turbinaria</i> sp., <i>Faviites</i> sp., some <i>Acropora</i> sp., some <i>Montipora</i> sp., some <i>Pocillopora</i> sp.
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

25° 58.83 113° 13.70 is northern tip of coral patch  
 25° 58.82 113° 13.82 video footage taken between this way point and 25° 58.77 113°13.76

### Impact or Activity

Two boats seen fishing in area. Very popular fishing site. Area close to Dirk Hartog Homestead where up to 35 people can stay plus campers.

<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT20	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	18.15	<b>Weather</b>	SW 18knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.5-12	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 33.70' S			113° 19.28' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Cape Peron Flats west						

### Habitat Description

Seagrass meadow with a circular sand patch about 30-40 metres in diameter. The above 'coordinate is for the western edge of the patch and the coordinate for the NE edge is 25° 33.69 113° 19.25.

### Dominant Species

<b>Seagrass</b>	Amphibolis sp. (antarctica?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

There is a series of these circular sand patches (from seismic exploration in the 1960's) running in a SW to NE direction. This patch was in the middle.

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT23	<b>Site Name</b>	Groundtruthing	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	1610	<b>Weather</b>	SW 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 34.55' S			113° 17.20' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Broken limestone/sand bottom with occasional coral colonies and sea anemones. Also coral rubble.

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	<i>Favites</i> sp. (massives) and <i>Pocillopora</i> sp.
<b>Fish</b>	
<b>Invertebrates</b>	Sea anemones

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT24	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.20	<b>Weather</b>	SW 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	12	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 34.44' S			113° 17.04' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass meadow about 80% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT25	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	07.10	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	5.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 30.61' S			113° 26.29' E		Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with sparse seagrass

### Dominant Species

<b>Seagrass</b>	<i>Halophila</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT29	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.20	<b>Weather</b>	South 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 39.40' S			113° 16.38' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with dead scallop shells and then drifted on to a seagrass meadow. Seagrass meadow at  
 25° 39.39                      113° 16.37

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA      /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT30	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.10	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 39.95' S			113° 17.64' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 50% and sand 50% patches. - but not very sunny therefore it was difficult to get an overview of the general area. Within seagrass meadow 70% coverage, epiphytic growth on seagrass

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT31	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.00	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 40.38' S			113° 18.15' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass meadow 80-100% coverage. Significant amount of epiphytic growth on leaves.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia coriacea</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT32	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.40	<b>Weather</b>	Se 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 41.24' S			113° 18.61' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

*Posidonia coriacea (sinuosa?)* 80-100% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia coriacea</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97/#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT34	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.30	<b>Weather</b>	SE 5 knots	
<b>Sea</b>			<b>Water depth (m)</b>	7-7.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 42.08' S			113° 19.71' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 50% coverage with sand patches 50%.  
Within seagrass meadow there is 100% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT36	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.20	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	5.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 42.36' S			113° 20.72' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass meadow - 100% coverage. General area shows seagrass 60% and sand 40% patches

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

Cancelled site GT35 because it is obviously a dense seagrass meadow

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT37	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.10	<b>Weather</b>	SE 6knots	
<b>Sea</b>			<b>Water depth (m)</b>	7.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 42.93' S			113° 20.85' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with no biota.  
 Edge of sand/seagrass is 25° 42.89' 113° 20.84' and 6.5 metres deep.  
 Dense seagrass is 25° 42.87' 113° 20.83' and 6.5 metres deep.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT38	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.00	<b>Weather</b>	SE 5-8knots	
<b>Sea</b>			<b>Water depth (m)</b>	9.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 43.05' S			113° 20.48' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with virtually no biota. Although did see on *Turbinaria* colony

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	<i>Turbinaria</i> sp.
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT39	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.05.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.30	<b>Weather</b>	SE 5-8knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 42.85' S			113° 19.86' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with a lot of dead shell

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT40	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.15	<b>Weather</b>	SE 5-8knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 50.76' S			113° 15.51' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand covered with microphytobenthos

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT41	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.25	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	10-10.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 50.51' S			113° 12.06' E		Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass about 60-80% coverage. Significant amount of epiphytic growth on seagrass stems and leaves

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT42	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.30	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 52.13' S			113° 11.54' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 50-60% coverage. Significant amount of epiphytic growth on seagrass and leaves.
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### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT43	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.15	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	8.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 53.02' S			113° 11.01' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand covered in microphytobenthos only
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT44	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.10	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>			<b>Water visibility (m)</b>	
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 42.333' S			113° 07.794' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Sand/rubble - devoid of obvious marine life

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT45	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.55	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 41.705' S			113° 07.732' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Dense seagrass meadow - 100% cover and very healthy

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT46	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.45	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>			<b>Water visibility (m)</b>	
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 41.965' S			113° 07.442' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point sanctuary Zone						

### Habitat Description

Sandy bottom - devoid of obvious marine, Similar to GT51

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT47	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.20	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	10m	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 44.05' S			113° 06.236' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Seagrass
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### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i> - 100% cover
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT48	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.00	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	8m	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 43.249' S			113° 06.641' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Seagrass - 100% cover, looked healthy
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### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT49	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.40	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	10.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 43.898' S			113° 06.875' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Seagrass - dense seagrass with small (<1m) sand patches. A lot of epiphytes with sediment coating leaves.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i> - 60-80% cover
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT50	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.45	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	16	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 44.070' S			113° 07.124' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Sandy bottom generally devoid of life, only one crinoid and possibly an *Acropora* sp. colony observed. Scallop shell observed, mainly dead but difficult to see live ones

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

sea snake seen

### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT51	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.25	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	15	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 41.187' S			113° 05.922' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Sandy bottom - devoid of marine life except for occasional crinoid

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT52	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	08.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.15	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	4.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 41.849' S			113° 05.547' E		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <input type="checkbox"/>
<b>Site location</b>	Near Sandy Point Sanctuary Zone						

### Habitat Description

Large seagrass and patches. Looked similar to GT48, a lot of green leaves

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i> - 100% cover
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/dd/08.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT53	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.00	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 23.62' S			113° 44.51' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with occasional dead shell, and a few *Amphibolis* sp. shoots covered in epiphytes

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT54	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.25	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	13	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 26.92' S			113° 44.43' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with sparse (Very) *Halophila spinulosa* and *Halophila ovalis*

### Dominant Species

<b>Seagrass</b>	<i>Halophila spinulosa</i> and <i>ovalis</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT55	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.00	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 27.05' S			113° 45.77' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with a little brown algae and a few sponges

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

Dugong faeces observed floating, came from north of this site

<b>Video reference</b>	SBMRMP/DD/22.04.97/#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT56	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.45	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.2	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 24.99' S			113° 44.72' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with a lot of dead shells, including scallop shells. Very sparse seagrass shoots, covered in epiphytes.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. and <i>Posidonia</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

Could the large amount of dead shell be indicative of trawling activities?

<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT57	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.20	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	11.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.05' S			113° 38.40' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT58	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.00	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	12	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 12.43' S			113° 39.84' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 0-20% coverage. Significant amount of epiphytic algal growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ) and some <i>Halodule</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT59	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.50	<b>Weather</b>	SW 5-8knots	
<b>Sea</b>			<b>Water depth (m)</b>	11	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 13.56' S			113° 41.47' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 0-20%coverage. Significant amount of epiphytic growth. Seagrass probably at maximum depth.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia sp. (coriacea?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT60	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	20/10/00	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.25	<b>Weather</b>	SW	
<b>Sea</b>			<b>Water depth (m)</b>	10.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 15.44' S			113° 46.06' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 0-20% coverage. Significant amount of epiphytic growth (algae). Seagrass virtually smothered by epiphytes.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.01.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT61	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.00	<b>Weather</b>	SW 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 17.58' S			113° 42.97' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20-40% coverage. A lot of epiphytic growth covering stems and leaves

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT62	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.45	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 19.05' S			113° 43.53' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass - *Posidonia* sp. (*coriacea*?) 20-40% coverage. A lot of epiphytic growth.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT63	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.40	<b>Weather</b>	SW 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	9.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 17.67' S			113° 44.31' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-60% coverage. A lot of epiphytic growth on seagrass leaves and stems

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis (antarctica?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT64	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.00	<b>Weather</b>	SW 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	8.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 15.28' S			113° 44.22' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-60% coverage. A lot of epiphytic growth (brown algae) on stems and leaves

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT65	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.40	<b>Weather</b>	SW 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 14.20' S			113° 42.88' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand - no biota
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT66	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.15	<b>Weather</b>	SW 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	8.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 12.50' S			113° 43.18' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 80-100% coverage, some epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT67	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.40	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	10.2	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.74' S			113° 41.17' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 40-60% density/coverage within meadow. Significant epiphytic algae on seagrass. Seagrass between GT115 and GT67. Approximately 80% seagrass and 20% sand patches

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT68	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.00	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	7.2-7.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 56.42' S			113° 34.97' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Large sand patches with some *Posidonia* meadows? (up to 10m diameter)

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

### Impact or Activity

<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT69	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.45	<b>Weather</b>	SE 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	8.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 58.38' S			113° 34.76' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with scattered *Posidonia* clumps, *Cymodea* sp. growing sparsely in sand patches.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?) and <i>Cymodocea</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT70	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.00	<b>Weather</b>	SW 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	6.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 58.29' S			113° 35.95' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 60-80% coverage. Significant amounts of epiphytic algae

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT71	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.30	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	13.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 56.56' S			113° 31.31' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass approximately 50% sand patches 50%. Within seagrass meadows 40-60% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT72	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.15	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	9.7-10.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 56.62' S			113° 33.21' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 50% and sand 50% patches. Within seagrass meadow 60-80% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia sp. (coriacea?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT73	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.00	<b>Weather</b>	SE 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 59.37' S			113° 30.86' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT74	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.45	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 58.94' S			113° 32.51' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

seagrass 20-40% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea?</i> and <i>australis?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT75	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.00	<b>Weather</b>	SE 15 knots	
<b>Sea</b>	1 metre waves		<b>Water depth (m)</b>	14.1	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 01.68' S			113° 30.96' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-60% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT76	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.00	<b>Weather</b>	SE 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	9.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 01.79' S			113° 32.44' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 80-100% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT77	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.30	<b>Weather</b>	SE 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	9.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 02.26' S			113° 33.86' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-60%

### Dominant Species

<b>Seagrass</b>	<i>Posidonia sp. (coriacea?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT78	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.30	<b>Weather</b>	SE 20knots	
<b>Sea</b>			<b>Water depth (m)</b>	8.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 02.75' S			113° 34.52' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 40-60% coverage
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### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT79	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.00	<b>Weather</b>		
<b>Sea</b>	0.5 metre waves		<b>Water depth (m)</b>	14.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 04.93' S			113° 30.94' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass - 40-60% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia sp. (coriacea?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT80	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	07.30	<b>Weather</b>	SE 20knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 05.01' S			113° 33.64' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40% coverage (40-60% coverage) A lot of epiphytic growth.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT81	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	07.20	<b>Weather</b>	SE 20knots	
<b>Sea</b>	1 metre waves		<b>Water depth (m)</b>	8.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 05.07' S			113° 34.78' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60 % coverage (60-80% in Eleanor Bruces' mapping) A lot of epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

The abundant epiphytic growth makes the seagrass look denser than it is.

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT82	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22/04/97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.15	<b>Weather</b>	SW 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	12	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 07.70' S			113° 34.47' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 40-60% coverage. Significant epiphytic algal growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT83	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.00	<b>Weather</b>	SW 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 07.96' S			113° 35.53' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT84	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.50	<b>Weather</b>	SW 10-15knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 08.08' S			113° 36.49' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997		
<b>Site No.</b>	GT85	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary		
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.30	<b>Weather</b>	SE 15knot			
<b>Sea</b>	30cm swell		<b>Water depth (m)</b>	19-19.5		<b>Water visibility (m)</b>			
<b>GPS Latitude</b>			<b>GPS Longitude</b>			<b>Differential</b>			
25° 27.55' S			113° 04.60' E			Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
<b>Site location</b>	NE of Levillian Shoal								

### Habitat Description

Patchy limestone pavement/sand mixture. Pavement covered in sparse coral, sponge and ascidian assemblage.

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	Turf algae covering limestone pavement
<b>Coral</b>	<i>Turbinaria</i> sp. (patchy)
<b>Fish</b>	
<b>Invertebrates</b>	Starfish, ascidians, sponges

### Other Features

### Impact or Activity

<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT86	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.45	<b>Weather</b>	SE 15knot	
<b>Sea</b>	slight		<b>Water depth (m)</b>	18-18.5		<b>Water visibility (m)</b>	
<b>GPS Latitude</b>			<b>GPS Longitude</b>			<b>Differential</b>	
25° 26.78' S			113° 06.31' E			<b>Yes</b>	<input type="checkbox"/>
						<b>No</b>	<input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sandy bottom with very sparse coverage (<1%) of attached algae (brown?)

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

No wrack

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT87	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.00	<b>Weather</b>	SE 15knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	17.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 26.4' S			113° 07.30' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand - no biota
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT88	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.20	<b>Weather</b>	SE 15knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	17	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 25.50' S			113° 09.45' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

80% seagrass and 20% sand. Seagrass wrack

### Dominant Species

<b>Seagrass</b>	<i>Posidonia coriacea?</i> or <i>Posidonia sinuosa?</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

Heading NE (1nm) from DD88 is 20% seagrass and 80% sand at GPS 25° 25.21 113° 10.11  
 Heading NE (2nm) from DD88 is 80% seagrass and 20% sand at GPS 25° 24.87 113° 10.90

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997		
<b>Site No.</b>	GT89	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary		
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.45	<b>Weather</b>	SE 15knot			
<b>Sea</b>	slight		<b>Water depth (m)</b>	10-10.5		<b>Water visibility (m)</b>			
<b>GPS Latitude</b>			<b>GPS Longitude</b>			<b>Differential</b>			
25° 24.43' S			113° 12.00' E			Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
<b>Site location</b>									

### Habitat Description

Seagrass 60% and sand patches 40%. Within a seagrass meadow about 40% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia sinuosa?</i> and <i>Posidonia coriacea?</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT90	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.30	<b>Weather</b>	SE 12 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	12m	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 22.73' S			113° 16.27' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass (60%) and sand (40%) patches. Within meadows (100% coverage)

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

Still heading NE bearing from DD88 (069°)

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT91	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.15	<b>Weather</b>	SE 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	15	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 21.05' S			113° 20.66' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Very sparse *Posidonia* sp. < 1% coverage.

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

There has been trawling in the area or is it the depth gradient?

<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT92	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.20	<b>Weather</b>	SW slight	
<b>Sea</b>	swell		<b>Water depth (m)</b>	13.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 21.20' S			113° 20.12' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 30% and sand patches 70%. Within seagrass meadows 50% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

Trawlers observed 2nm further NE

<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT93	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.05	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	12	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 24.14' S			113° 19.95' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Seagrass 90% and sand patches 10%. In seagrass meadows 80% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Ambipolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT94	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.10	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	15.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 25.22' S			113° 20.08' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Sand with very sparse seagrass cover (<5%)

### Dominant Species

<b>Seagrass</b>	<i>Halophila ovalis</i> (80%) and <i>Posidonia sinuosa</i> (20%) ( <i>Cymodocea</i> sp?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT95	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	19.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.20	<b>Weather</b>	SW 8knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	13.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 25.21' S			113° 19.44' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Uranie Bank						

### Habitat Description

Seagrass 90% and sand patches 10%. In seagrass meadows 80% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/19.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT96	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.30	<b>Weather</b>	SE 15 knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 58.91' S			113° 14.31' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	East of SB19 coral patch						

### Habitat Description

Sand covered in film of algae (microphytobenthos - mpb's)

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	mpb's
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97/#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT97	<b>Site Name</b>	Groundtruthing	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.30	<b>Weather</b>	SE 10 knots	
<b>Sea</b>			<b>Water depth (m)</b>	10	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 56.40' S			113° 13.23' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Due east of Notch point (Dirk Hartog Island)						

### Habitat Description

Sand covering limestone pavement. Light covering of microphytobenthos

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

Four boats about 6 metres drifting over area fishing. Boats have come from Dirk Hartog homestead.

<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT98	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.50	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 54.62' S			113° 13.15' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand - very sparse seagrass (an occasional *Posidonia* leaf)

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Pearl shell and dead scallop shells

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT99	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.30	<b>Weather</b>	South 15knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 38.98' S			113° 17.02' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with very sparse seagrass <1%

### Dominant Species

<b>Seagrass</b>	<i>Posidonia coriacea</i> and <i>Halophila ovalis</i> ?
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT100	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.10	<b>Weather</b>	SW 10 knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 30.98' S			113° 15.13' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass, *Halophila ovalis*(?) and *Posidonia* sp. mixture ,<10% coverage

### Dominant Species

<b>Seagrass</b>	<i>Halophila ovalis</i> and <i>Posidonia</i> sp. (or <i>Cymodocea</i> sp.)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT101	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.10	<b>Weather</b>	SW 25knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 30.18' S			113° 14.97' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass <10% coverage. *Amphibolis antarctica* and *Cymodocea* sp.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i> and <i>Cymodocea</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT102	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.20	<b>Weather</b>	SW 25knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 29.16' S			113° 14.98' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20-30% coverage. Growing in small patches approximately 2-4 m in diameter.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT103	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	21.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	18.10	<b>Weather</b>	SW 20knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 30.92' S			113° 19.08' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 40-50% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/21.04.97/#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT104	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.30	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	11	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>		<b>GPS Longitude</b>		<b>Differential</b>			
25° 31.85' S		113° 47.14' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b>	<input checked="" type="checkbox"/>
<b>Site location</b>	Looking for <i>Halophila spinulosa</i> meadow - Paul Anderson						

### Habitat Description

Sand. To the south of this site we could observe from the boat patches of seagrass, which looked like *Amphibolis*, it was too obvious to be *Halophila* sp.

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97/#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT105	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.00	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 32.24' S			113° 48.23' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Looking for Paul Anderson's <i>Halophila spinulosa</i> beds						

### Habitat Description

Sand with some dead scallop shell - no seagrass.  
 25° 31.99 113° 48.08 340° bearing from GT105 still sand only

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT106	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.10	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 30.88' S			113° 47.57' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Looking for <i>Halophila spinulosa</i>						

### Habitat Description

Sand with some dead scallop shells. One *Pinna* shell alive.

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT107	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.30	<b>Weather</b>	SE 10 knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 29.56' S			113° 46.93' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT108	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.4.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.40	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.4	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 28.32' S			113° 46.34' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with very sparse algae

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT109	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.30	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 26.00' S			113° 44.59' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with very occasional seagrass shoots. Dead shells on seabed.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia coriacea</i> or <i>Cymodocea</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT110	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.35	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	10.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 20.38' S			113° 44.37' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-50% coverage. A lot of epiphytic growth covering leaves and stems

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis antarctica</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

It appears that seagrasses die out at between 11.5 and 12 metres?

### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT111	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.10	<b>Weather</b>	SW 5 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	10.8	<b>Water visibility (m)</b>	very poor	
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 15.39' S			113° 42.89' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand. Very poor visibility but there appeared to be some *Amphibolis* sp. growing - very sparse <5%

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT112	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.20	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	11.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 17.64' S			113° 42.57' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 40-60% coverage, significant amount of epiphytic growth on stems

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis (antarctica?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#1	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT113	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	14.10	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	10.8	<b>Water visibility (m)</b>	poor	
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 15.39' S			113° 42.89' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand. Very poor viz but appeared to be some very sparse *Amphibolis* sp. <5%

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis (antarctica?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT114	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.00	<b>Weather</b>	SW 5 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	10.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 12.91' S			113° 42.41' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand covered with microphytobenthos (MPB's). Burrows throughout sand

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT115	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.30	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	9.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 12.17' S			113° 42.131 E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-60% coverage, significant amount of epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT116	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.45	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	11.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 12.07' S			113° 40.42' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-60% coverage within meadow significant amount of epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT117	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.10	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	12	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.48' S			113° 38.80' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40-60% coverage within meadow significant amount of epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT118	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.40	<b>Weather</b>	SW 8 knots	
<b>Sea</b>	slight		<b>Water depth (m)</b>	11.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 09.39' S			113° 33.46' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 80-100% coverage, significant amount of epiphytic growth on stems

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997		
<b>Site No.</b>	GT119	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary		
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.30	<b>Weather</b>	SW 5 knots			
<b>Sea</b>	slight		<b>Water depth (m)</b>	12.5-13.3		<b>Water visibility (m)</b>			
<b>GPS Latitude</b>			<b>GPS Longitude</b>			<b>Differential</b>			
25° 07.36' S			113° 33.24' E			Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank								

### Habitat Description

Seagrass 20-40% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia sp. (coriacea?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT120	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.30	<b>Weather</b>	SW 5 knots	
<b>Sea</b>			<b>Water depth (m)</b>	12.5-13	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 07.05' S			113° 32.18' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage, very little epiphytic algae.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT121	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	22.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.45	<b>Weather</b>	SW 5 knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.7-15.5		<b>Water visibility (m)</b>	
<b>GPS Latitude</b>			<b>GPS Longitude</b>			<b>Differential</b>	
25° 06.78' S			113° 30.92' E			Yes	<input type="checkbox"/>
						No	<input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 50% and sand patches 50%. Within seagrass meadow 20-40% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/22.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT122	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	07.30	<b>Weather</b>	SE 20knots	
<b>Sea</b>			<b>Water depth (m)</b>	11.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 05.00' S			113° 32.26' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 80-100% coverage, healthy seagrass.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT123	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.15	<b>Weather</b>	SE 20knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 05.28' S			113° 29.71' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 50% and sand patches 50%. Within seagrass meadow 20-40% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT124	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.55	<b>Weather</b>	SE 20knots	
<b>Sea</b>			<b>Water depth (m)</b>	18	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 05.17' S			113° 28.73' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with sparse seagrass patches <10%. From echo sounder it appeared the seagrass occurs between GT123 and GT124

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT125	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.15	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	16.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 01.67' S			113° 29.94' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with some occasional seagrass shoots <1%.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea?</i> ) and <i>Halophila</i> sp. ( <i>ovalis?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT126	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.45	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	17	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 59.36' S			113° 29.99' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with very occasional seagrass shoots

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT127	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.30	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	8.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 55.61' S			113° 33.71' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea?</i> , <i>australis?</i> ) and <i>Cymodocea</i> sp. on edge of meadow
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT128	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	15.45	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	5.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 56.38' S			113° 35.97' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 80-100% coverage.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT129	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	23.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	16.45	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	16	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
24° 56.57' S			113° 30.15' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with very scattered seagrass clumps.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia sp. (coriacea?)</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/23.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT130	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	07.15	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	13-14.5		<b>Water visibility (m)</b>	
<b>GPS Latitude</b>			<b>GPS Longitude</b>			<b>Differential</b>	
25° 08.25' S			113° 33.22' E			<b>Yes</b>	<input type="checkbox"/>
						<b>No</b>	<input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 70% and sand 30% patches. Within seagrass meadow 20-20% coverage. Possibly some *Cymodocea* sp. on edge of meadow.

### Dominant Species

<b>Seagrass</b>	<i>Posidonia</i> sp. ( <i>coriacea</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

Drifted from 25° 08.27' to 25° 08.23'  
113° 33.25' 113° 33.19'

### Impact or Activity

<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT132	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.00	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	17.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 09.50' S			113° 31.92' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand. From the echo sounder seagrass died out at about 200m before this site at about 16.5-17metres depth

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT133	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.15	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.17' S			113° 36.55' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60% coverage. Significant epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT134	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.20	<b>Weather</b>	SE 8-10knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.73' S			113° 36.33' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand no seagrass
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT135	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.30	<b>Weather</b>	SE 8-10knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.73' S			113° 36.94' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 40% coverage. Significant epiphytic growth smothering the seagrass

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT136	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.40	<b>Weather</b>	SE 8-10knots	
<b>Sea</b>			<b>Water depth (m)</b>			<b>Water visibility (m)</b>	
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 12.42' S			113° 36.97' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand no seagrass
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Ascidian

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT137	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.45	<b>Weather</b>	SE 8-10knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 12.47' S			113° 37.54' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20-30% coverage. Very near depth limit about 15 metres

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT138	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.00	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	15.1	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 13.62' S			113° 37.62' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20-40% coverage. Significant epiphytic algal growth. Seagrass extended between the way point above and 25° 13.81 113° 37.34 (15.1 metres depth)

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT139	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	07.30	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	15.1	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 08.37' S			113° 32.01' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT140	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	07.45	<b>Weather</b>	SE 10knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.1	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 09.44' S			113° 33.35' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage. Significant epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ) and <i>Posidonia</i> sp. ( <i>coriacea?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.24.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT141	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.15	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	16.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 10.36' S			113° 33.51' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass - 60%coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT142	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.30	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	17.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 10.34' S			113° 32.23' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20% coverage. Significant epiphytic growth. Depth limit of seagrass

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT143	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.50	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	17.2	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.09' S			113° 34.03' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand - no seagrass
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT144	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	08.55	<b>Weather</b>	SE 8knots	
<b>Sea</b>			<b>Water depth (m)</b>	16.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.13' S			113° 34.76' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT145	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	09.00	<b>Weather</b>	SE 12knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 11.17' S			113° 35.61' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand no seagrass
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.02.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT146	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.10	<b>Weather</b>	SE 8-10knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 13.94' S			113° 36.74' E		Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20-40% coverage. Significant epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT147	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.20	<b>Weather</b>	SE 8-10knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 14.08' S			113° 36.00' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand no seagrass
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### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Ascidian

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT148	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.45	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 15.46' S			113° 38.29' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage. Moderate epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT149	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	10.50	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 15.56' S			113° 37.47' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 80% coverage. Moderate epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Blue manna crab

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT150	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.00	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	15.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 15.68' S			113° 36.42' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with very sparse seagrass <1%. A few shoots of *Halophila spinulosa*

### Dominant Species

<b>Seagrass</b>	<i>Halophila spinulosa</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Dead scallop shells, southern seastar

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT151	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.25	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.2	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 16.80' S			113° 39.19' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 80% coverage within seagrass meadow. Some sand patches.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis (antarctica?)</i> , <i>Halophila</i> sp. ( <i>uninervis</i> )
<b>Macro-algae</b>	<i>Podina</i> sp. (epiphyte)
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT152	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	11.40	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	14.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 17.17' S			113° 38.16' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass and sand patches (difficult to give an estimate of size). Approximately 20% coverage of *Amphibolis* sp., *Halodule* sp. growing amongst *Amphibolis* and along meadow edges. *Halophila spinulosa* growing in sand patch

### Dominant Species

<b>Seagrass</b>	<i>Halophila spinulosa</i> , <i>Amphibolis</i> sp. ( <i>antarctica?</i> ), <i>Halodule</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT153	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.00	<b>Weather</b>	SE 5knots	
<b>Sea</b>			<b>Water depth (m)</b>	13.9	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 17.75' S			113° 39.97' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Seagrass 60-80% coverage. Moderate epiphytic algae growth

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Dead scallop shell

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT154	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.20	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	14.8	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 19.13' S			113° 39.14' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Sand with sparse seagrass scattered throughout

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ), <i>Halophila spinulosa</i> , <i>Halophila</i> sp. ( <i>ovalis</i> )
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT155	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.35	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	14.3	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 19.30' S			113° 40.18' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>	Wooramel Bank						

### Habitat Description

Sand with very sparse shoots of *Halophila spinulosa*

### Dominant Species

<b>Seagrass</b>	<i>Halophila spinulosa</i>
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97/#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT156	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	12.45	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	13.5	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 19.34' S			113° 41.20' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 20-40%. Significant epiphytic growth

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ), <i>Cymodocea</i> sp., <i>Halodule</i> sp.
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Dead scallop shells

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	



## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT157	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.00	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	13.7	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 20.47' S			113° 41.19' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

### Dominant Species

<b>Seagrass</b>	
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	Dead sea urchins, dead scallop shells

### Other Features

### Impact or Activity

<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	GT158	<b>Site Name</b>	Groundtruthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	13.15	<b>Weather</b>	SE 5knots	
<b>Sea</b>	calm		<b>Water depth (m)</b>	12.6	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 20.65' S			113° 42.52' E		Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass and sand patches. Seagrass coverage within the meadow 40-60%. Dominated by *Amphibolis* with *Halodule* and *Cymodocea* growing amongst *Amphibolis*.

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica?</i> ), <i>Halodule</i> sp. ( <i>uninervis?</i> ), <i>Cymodocea</i> sp.
<b>Macro-algae</b>	<i>Podina</i> attached to rock/shell
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	

## HABITAT DATA SHEET

<b>Project</b>	SHARK BAY MARINE RESERVES MONITORING PROGRAMME				<b>Field Survey</b>		APRIL 1997
<b>Site No.</b>	SB19	<b>Site Name</b>	Ground-truthing site	<b>Date</b>	24.04.97	<b>Recorder</b>	Cary
<b>Vessel</b>	"James Scheerer"		<b>Time</b>	17.50	<b>Weather</b>		
<b>Sea</b>			<b>Water depth (m)</b>	14.0	<b>Water visibility (m)</b>		
<b>GPS Latitude</b>			<b>GPS Longitude</b>		<b>Differential</b>		
25° 32.41' S			113° 19.08' E		<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <input checked="" type="checkbox"/>
<b>Site location</b>							

### Habitat Description

Seagrass 50% and sand patches 50%. Within seagrass meadow 40-60% coverage

### Dominant Species

<b>Seagrass</b>	<i>Amphibolis</i> sp. ( <i>antarctica</i> ?)
<b>Macro-algae</b>	
<b>Coral</b>	
<b>Fish</b>	
<b>Invertebrates</b>	

### Other Features

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### Impact or Activity

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<b>Video reference</b>	SBMRMP/DD/24.04.97 /#2	<b>Aerial reference</b>	/WA /RUN /
<b>Slide reference</b>		<b>Print reference</b>	